



PLANT PRODUCTION SKILLS COURSE TRAINING

COURSE OVERVIEW:

This qualification will form the basis for learners to extend their learning into more specialised areas of plant production and provides the basis of the establishment of sustainable farming operations through the inclusion of a wide spectrum of competencies required by farmers. Whilst technical production orientated competencies are ensured, other aspects such as agri-business and good agricultural practices are included in the range of competencies required by farmers in order to enable them to strive towards agricultural management standards and practices at higher levels.

Competent qualifying learners in this qualification will oversee quality agricultural products in Plant Production whereby enhancing the overall agricultural process and gain opportunities to access local, national and international agricultural markets.

Table 1. Cash Crops: Tomato, Potato and Cabbage etc.

UNIT STANDARD	US TITLE	NQF L	CREDITS
116079	Monitor the establishment of a crop	2	4
116053	Understand basic soil fertility	2	5
116124	Control pests, diseases and weeds on all crops effectively and responsibly.	2	2
116111	Harvest Agricultural crops: Procedures	2	4
116126	Apply Marketing principles in agriculture	2	2
116219	Explain the prevention and treatment of animal diseases.	3	5
7469	Use mathematics to investigate and monitor the financial aspects of personal life.	2	2
116060	Utilise and perform minor repair and maintenance tasks on implements, equipment and infrastructure	2	5
TOTAL CREDITS			24

Table 2. Grain Crops: Sorghum, Maize and Beans etc.

UNIT STANDARD	US TITLE	NQF L	CREDITS
116079	Monitor the establishment of a crop	2	4
116053	Understand basic soil fertility	2	5
116124	Control pests, diseases and weeds on all crops effectively and responsibly.	2	2
116111	Harvest Agricultural crops: Procedures	2	4
116126	Apply Marketing principles in agriculture	2	2
116081	Identify and recognise factors influencing agricultural enterprise selection	2	2
TOTAL CREDITS			24

MODULE 1. INTRODUCTION

- 1.1 Economic importance
- 1.2 Production areas
- 1.3 Production potential

MODULE 2. GROWTH AND DEVELOPMENT OF THE CROPS PLANT

- 2.1 Plant Description
 - 2.1.1 Botanical relationship
 - 2.1.2 Morphology and development
 - 2.1.3 Pollination

- 2.1.4 Identifiable growth stages
- 2.1.5 Critical growth stages
- 2.2 Growth requirements of the Crops plant
 - 2.2.1 Cultivar traits
 - 2.2.2 Climatic requirements
 - 2.2.3 Soil requirements

Module 3. PREPARATION AND THE PLANTING OF CROPS

- 3.1 Preparation before planting
 - 3.1.1 Soil tillage
 - 3.1.2 Fertilization
 - 3.1.3 Production systems
 - 3.1.4 Cultivar selection
- 3.2 Planting, managing and harvesting of Crops
 - 3.2.1 Preliminary planning
 - 3.2.2 Planting of Crops
 - 3.2.3 Managing planted Crops
 - 3.2.4 Harvesting of Crops
- 3.2.6 Inspection and grading of seed Crops

MODULE 4. CROP PROTECTION/CHEMICAL HANDLING

- 4.1 Weed control
 - 4.1.1 Weed classification
 - 4.1.2 Methods of weed control
 - 4.1.3 Mechanical weed control
 - 4.1.4 Chemical weed control
- 4.2 Insect control
 - 4.2.1 Insects that attack Crops in the soil
 - 4.2.2 Insects that attack plants above the soil
 - 4.2.3 Other insects
- 4.3 Disease control
 - 4.3.1 Bacterial diseases
 - 4.3.2 Virus diseases
 - 4.3.3 Fungal diseases

MODULE 5: MECHANISATION

- 5.1 Crops Mechanisation
- 5.2 Tractors, ploughs, trailers, cultivators, planters, drills, sprays, hay & silage, pumps, boreholes, harvesting
- 5.3 Select the appropriate tools, implements and/or equipment, from a limited range, to use in a specified combination of activities within a single agricultural process.
- 5.4 Select the appropriate tools, implements and/or equipment, from a limited range, to use in a specified combination of activities within a single agricultural process.
- 5.5 Maintain and store tools, implements, equipment and/or machinery according to specifications.
- 5.6 Explain and apply the necessary safety measures in the use of agricultural tools, equipment and/or implements.

TERMS AND CONDITIONS

- No restriction on who may attend
- Notes are provided with content in English
- The lectures are presented in English
- Course fees do not include accommodation and transportation, and additional cost to transport learners to and fro for practical training on farms will be charged.
- Course fees includes lunch packs.
- This is a theoretical course with a practical session included
- Please make sure you are there 8h30 for registration
- Bring along your pen and notebook, overall and gumboots for the practical is required

PRICE: R16 500.00 PER LEARNER EXCL. VAT

DATES:

Johannesburg
KwaZulu Natal
Cape Town

11th – 15th March 2024
27th – 31st May 2024
19th -23rd August 2024



CONTACT: Ravin J - 082 571 9292 • Trisha L - 072 468 7141 • Patrick M - 081 596 5017 • Ryan J - 073 946 9796